

~ DRONFIELD ~


URBAN DISTRICT COUNCIL.

Annual Report

ON THE
HEALTH OF DRONFIELD FOR 1907.

BY
O. H. HUDSON, M.R.C.S.,
MEDICAL OFFICER OF HEALTH.

DRONFIELD :
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1908.



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1907.

SUMMARY OF REPORT.

DRONFIELD URBAN DISTRICT.

Area : 1046 acres.

Population (census) 1891, 3,438 ; (census) 1901, 3,809.

Estimated Population, 1907, 3960.

Number of Occupied Houses : 1901, 871 ; 1907, 950.

Rateable Value, 11,743 10s. 0d. ; Assessable Value £9,621 18s. 0d.

General District Rate, 4s. 2d.

Poor Rate, 3s. 9d. on Buildings, and 1s. 10½d. on Agricultural Land.

Vital Statistics.

Birth Rate per 1,000, 28.

Crude Death Rate per 1,000, 13·8.

Corrected Death Rate per 1,000, 14·8.

Infantile Mortality (Deaths under one year per 1,000 births), 117.

Water Supply :—

Source of Supply : Moorland Water from Chesterfield Rural
Sanitary Authority's Mains.

Constant Supply during the year.

Scavenging and Refuse Disposal: By Council's Own Carts and
Workmen.

ANNUAL HEALTH REPORT,

For 1907.

TO THE CHAIRMAN AND MEMBERS OF THE
DRONFIELD URBAN DISTRICT COUNCIL.

GENTLEMEN,

I have pleasure in laying before you my Seventh Annual Report of the Health of the Dronfield District.

Physical Features, and General Character of District.—The district lies to the South of Sheffield, and is immediately surrounded by the Chesterfield Rural District. It has an area of 1046 acres, no part being covered by water, and is hilly in nature. The chief industries are coal mining, iron founding, and edge-tool making.

The Population of the district at the census of 1901, was 3,809, and the number of inhabited houses 871. The estimated population to the middle of 1907 is 3,960, and the number of inhabited houses 950, giving an average of 4·16 per house.

The Births registered in the District during the year were 108, there were also three births in the Chesterfield Union Hospital born of Dronfield Residents, making the total of 111, giving a rate of 28 per 1,000, which is a decrease of 6 per 1,000 on the previous

year. There were 9 illegitimate births. The rate for the previous ten years is as follows :—

1897	1898	1899	1900	1901	1902	1903	1904	1905	1906
25·7	21·7	26·4	27	34·8	31·7	29·6	36·3	26·2	34

giving an average rate of 29·3.

The Deaths registered in the District during the year were 55, giving a crude death-rate of 13·8. Three of these were deaths at the Isolation Hospital of non-residents. There were also seven deaths of Dronfield residents in Public Institutions beyond the District, viz :—Chesterfield Union Hospital and the Royal Hospital, Sheffield, which gives the nett deaths belonging to the District 59, and a corrected death-rate of 14·8 per 1,000 which is below the average for the last ten years.

The corrected death-rate for the previous ten years is as follows :—

1897	1898	1899	1900	1901	1902	1903	1904	1905	1906
22·1	16·1	17·1	17	18·8	19·2	16·2	19·4	15·5	12·6

which gives an average of 17·4 per 1,000.

Infantile Deaths (Deaths under one year).—There were thirteen deaths of infants under one year, which is equal to an annual rate of 117 per 1,000 births registered.

The rate for the previous ten years is as follows :—

1897	1898	1899	1900	1901	1902	1903	1904	1905	1906
194	155	162	235	187	163	104	118	145	60

which is equal to an average rate of 152.

House Accommodation.—The Population work out at 4·16 per house. The Houses are in good state of repair. None have been closed during the year.

Sewerage and Sewage Disposal.—The public sewer has been extended 350 yards up Hallows Lane, and 16 houses brought into the sewage area. The outfall works have been maintained in an efficient state, a new Detritus Tank, and a 50 feet Percolating Filter is to be put down during 1908.

Excrement Disposal.—There are 818 houses with Privy Middens, 116 with Water Closets, and 16 with Slop Water Closets, three Privies have been converted into Water Closets, and in 15 cases defective Privies have been improved. Scavenging work is done by the servants of the Council, and the team work is done by Council's own horses and carts at a total cost of £151 4s. 6d. which works out at the cost of 3s. 2d. per house. This includes rent of stables and cost of horses, etc. The Ashpits and Closets are cleaned out once at least in three months, and as often as otherwise required. The scavenging carts go round each fortnight for the collection of Ashes, Rubbish, etc.

Water Supply.—The supply has been constant throughout the year, and is supplied from the Chesterfield Rural Sanitary Authority's mains.

Lodging Houses.—There is only one in the district, the Bye-Laws for which were passed in May, 1877. There is no special mention of the cubic space per bed, but 400 feet per person is allowed, and there are separate arrangements for the sexes.

School Buildings.—The sanitation is what is required; there are separate water closets, and other conveniences, and the state of the buildings are satisfactory.

Section 132 of the Factory and Workshops Act, 1891.—In accordance with this Act, I have visited all the Factories and Workshops on the register of which there are 33, viz., 15 Factories and 18 Workshops, and in all the cases the sanitary arrangements were satisfactory.

There are no out-workers in the district.

Dairies and Cowsheds.—There are eight of these on the register, and they have been systematically inspected, and found in a sanitary condition.

Bye-Laws.—New Bye-Laws relating to Slaughter-Houses, Offensive Trades, Cleansing of Footways and Pavements, Removal of

House Refuse, and Cleansing of Privies, Ashpits, and Cesspools, and with respect to other Nuisances, were passed by your Council in August, and were confirmed by the Local Government Board.

Zymotic Diseases.—There were two deaths from Zymotic Disease, viz.—Measles 1, and Typhoid Fever 1.

Scarlet Fever.—There were eight cases of Scarlet Fever notified during the year, viz., one in February, three in April, two in July, one in August, and one in December. All the cases were removed to the Isolation Hospital, their homes were thoroughly disinfected by Formalin Fumigation, and no secondary cases occurred in any of the houses.

Diphtheria.—There were thirteen cases of Diphtheria notified during the year, viz., one case in March, two in May, one in June, one in August, two in October, and six in November. They were all of a mild type, the two cases in October, occurring in one house, and three cases in November were also in one house. As there are no special wards at the Isolation Hospital for this disease, they all had to be treated at home. As all the cases except one occurred in children of school age, I visited the school, and examined all the children who had complained of any soreness of the throat, but did not detect any of Diphtheritic origin.

Erysipelas.—There was one case notified, and it was of a mild character.

Typhoid Fever.—This case occurred in September, and was promptly removed to Hospital, but the patient unfortunately died. I could not get any definite source of infection.

Diarrhœa.—There were three deaths from this disease, all in infants under one year of age. The death-rate is equal to 75 per 1,000.

Malignant Diseases.—There were four deaths due to Cancer, which is equal to an annual rate 1 per 1000.

Phthisis and other Tubercular Diseases.—

There were four deaths from Tubercular Diseases other than Phthisis, which is equal to an annual rate of 1 per 1,000.

Respiratory Diseases.—There were four deaths from Bronchitis, and three from Pneumonia, giving a death-rate of 1·7 per 1,000.

I am,

Gentlemen,

Your Obedient Servant,

O. H. HUDSON.

February 5th, 1908.

TABLE 1.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1907 AND PREVIOUS YEARS.

DRONFIELD URBAN DISTRICT.

Year.	Population estimated to middle of each year.	Births.		Total Deaths Registered in the District.				Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	Nett Deaths at all ages belonging to the District.	
		Number.	Rate.	Under 1 Year of Age.		At all Ages.				Number.	Rate.
				Number.	Rate per 1000 Births registered.	Number.	Rate.				
1897	3677	113	25·7		194	81	22·1				
1898	3710	122	21·7		155	60	16·1				
1899	3750	111	26·4		162	64	17·1				
1900	3789	102	27		235	64	16·9		1	65	17
1901	3818	133	34·8	25	187	66	17·2		6	72	18·8
1902	3847	122	31·7	20	163	67	17·4		7	74	19·2
1903	3880	115	29·6	12	104	59	15·2		4	63	16·2
1904	3910	143	36·3	17	118	66	16·8		10	76	19·4
1905	3920	103	26·2	15	145	59	15	2	4	61	15·5
1906	3940	133	33·7	8	60	50	12·6	3	3	50	12·6
Averages for years 1897-1906.	3824	117	29·3		152	63	16·6				
1907	3960	111	28	13	117	55	13·8	3	7	59	14·8

Institutions within the District receiving sick and infirm persons from outside the District :—

Isolation Hospital, North East Derbyshire.

Institutions outside the District receiving sick and infirm persons from the District :—

Chesterfield Union Hospital,
Sheffield Royal Hospital.

Is the Union Workhouse within the District ? No.

TABLE 2.
DRONFIELD URBAN DISTRICT.
CASES OF INFECTIOUS DISEASE NOTIFIED DURING
THE YEAR 1907.

NOTIFIABLE DISEASE.	At all ages.	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.
Diphtheria (including Membranous Croup).....	13			11		2
Erysipelas	1				1	
Scarlet Fever	8			8		
Enteric Fever	1					1
Totals.....	23			19	1	3

Isolation Hospital, North-east Derbyshire—Dronfield.

TABLE 3.
CAUSES OF, AND AGES AT, DEATH DURING YEAR 1907.

CAUSES OF DEATH	Deaths at the subjoined ages of Residents whether occurring in or beyond the District.						
	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
Measles	1		1				
Enteric Fever	1					1	
Diarrhœa	3	3					
Other Tubercular Diseases.....	4	1	2	1			
Cancer, malignant disease	4					2	2
Bronchitis	4	2				2	
Pneumonia	3	1				1	1
Alcoholism (Cirrhosis of liver)	1					1	
Venereal Diseases.....	1	1					
Premature Birth	2	2					
Diseases and accidents of parturition...	1				1		
Heart Diseases	7			1		5	1
All other causes.....	27	5			1	7	14
All causes.....	59	15	3	2	2	19	18

O. H. HUDSON.

February 5th, 1908. Medical Officer of Health.

TABLE 4.

INFANTILE MORTALITY DURING THE YEAR 1907.

Deaths from stated Causes in Weeks and Months
under One Year of Age.

DRONFIELD URBAN DISTRICT.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	4-5 Months.	6-7 Months.	8-9 Months.	10-11 Months.	Total Deaths under One Year.
All Causes—Certified Uncertified	3	1	1	1	6	3	1	2	1			13
Common Infectious Diseases—												
Whooping Cough												
Diarrhœal Diseases—												
Diarrhœa, all forms						1		2				3
Gastritis, Gastro-intestinal Catarrh				1	1							1
Wasting Diseases—												
Premature Birth...	1		1		2							2
Congenital Defects						1						1
Atrophy, Debility, Marasmus	1				1		1					2
Tuberculous Diseases												
Tuberculous Peritonitis: Tabes Mesenterica									1			1
Syphilis		1			1							1
Bronchitis	1				1	1						2
	3	1	1	1	6	3	1	2	1			13

Population, estimated to middle of 1907, 3,960.

Births in the year—legitimate, 102 ; illegitimate, 9.

Deaths in the year of legitimate infants, 8 ; illegitimate infants 5.

Deaths from all causes at all ages, 59.

TABLE 5.

FACTORIES, WORKSHOPS, &c.

 DRONFIELD URBAN DISTRICT.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

PREMISES.	Number of		
	Inspections.	Written Notices.	Prosecutions
Factories (including Factory Laundries)	27	3	Nil
Workshops (including Workshop Laundries)	34	2	
Total.....	61	5	

2.—DEFECTS FOUND.

PARTICULARS.	Number of Defects.			Number of Prosecutions
	Found.	Remedied	Referred to H.M. Inspector.	
Want of drainage of floors.....	1	1	Nil	Nil
Other Nuisances	3	3		
Sanitary Accommodation (insufficient)	1	1		
Total.....	5	5		

4.—REGISTERED WORKSHOPS.

Workshops on the Register (S. 131) at the end of year :—

Dressmakers	...	...	...	...	...	..	4
Millinery	...	...	...	...	...	...	2
Axe heads.	2
Shovels, etc.	1
Wickerwork	1
Joinery	4
Bootmaking	3
Blacksmith	1

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Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5) :—

Notified by H.M. Inspector	...	...	...	...	1
Reports (of action taken) sent to H.M. Inspector	...				1

DRONFIELD URBAN DISTRICT COUNCIL.

TABLE 6.

SUMMARY OF WORK DONE in the Inspector of Nuisances Department from
Jan. 1st, 1907, to December 31st, 1907.

DESCRIPTION OF NUISANCE.	Number on Register.	Number of Inspections.	Number of Notices served for infringement of Bye-Laws.	Informal Notices served by Inspector.	Legal Notices served by Authority.	Nuisances abated.	Informal Notices to Repair Houses.	Number of Houses Repaired.	Number of Infected Houses.	Houses Disinfected	Inspections of Work in progress.	
No disconnection of Waste Pipe				4	1	4						Precautions taken by Inspector against Infectious Disease, the Sale of Adulterated Food and Drugs and Unsound Meat, and under the Canal Boats Act. Each case, as soon as notified, has been removed to the Hospital, and the house stoved. No second cases have occurred in any house, neither has any return case been notified. Samples of Water submitted for analysis. None. Factories and Workshops have been inspected.
Defective Traps, Inlets, and Drains ..				15	4	16						
Drains obstructed.....				18	3	19						
Insanitary Privies and Ashpits.....				13	6	15						
Insufficient Closet accommodation				2		2						
Conversion of Privies into W.C.'s				3		3						
Defective Water Closets.....				1	1	2						
Surface of Courts and Yards.....				3		3						
Eaves-spouts and Down-spouts.....				4	1	5						
Urinals defective				1		1						
Animals improperly kept				1		1						
Smoke Nuisances.....				3		3						
Foul Conditions of Houses.....				1		1						
Dwelling Houses				3		3		3		19		
Dairies, Cowsheds and Milkshops.....	9	25	2									
Bakehouses	2	4										Factories and Workshops have been inspected.
Slaughter Houses	5	10	2									
Offensive Trades	1	4	1									
Common Lodging Houses	1	2										
Factories and Workshops												
Totals.....	18	45	5	91	16	78		3		19		

Area of District, 1,046 Acres.

Estimated No. of Houses, 950.

New Houses erected 1907, 13.

T. H. ATKINSON, Inspector of Nuisances.